

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Please amend claim 2 as follows:

Listing of Claims:

Claim 1 (canceled).

Claim 2 (currently amended): A speaker apparatus comprising:

a transducer for converting an input electric signal into mechanical vibration; and

a single diaphragm for converting the mechanical vibration into a sound signal;

wherein said single diaphragm is provided with a plurality of the transducers, and the single diaphragm is provided with a plurality of independent signal control points corresponding to the respective transducers, and

wherein a sound signal processing portion that is able to individually control the input electric signal to the respective transducers is installed, and an electric signal including a sound signal component for outputting a signal at the signal control point corresponding to the respective transducers and a sound interference canceling signal component for canceling, at the signal control point, an interference with the transducers serving as the other signal control points is provided, thereby making it possible to stereophonically reproduce a plurality of channels by the single diaphragm.

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Claim 3 (previously presented): The speaker apparatus according to claim 2, wherein the input electric signal to the respective transducers includes an interference sound signal component for causing an interference between signal outputs from the plurality of the signal control points so as to localize a sound image in an arbitrary point.

Claim 4 (original): The speaker apparatus according to claim 3, wherein the interference sound signal includes information for controlling a sound pressure distribution so as to control directionality of the sound image.

Claim 5 (original): The speaker apparatus according to claim 4, wherein the interference sound signal includes a frequency characteristics correcting signal for correcting and adjusting frequency characteristics of an interference sound with respect to an arbitrary listening position and listening direction.

Claim 6 (original): The speaker apparatus according to claim 3, wherein the points in which the sound image is to be localized are arranged around a listener so as to achieve a surround stereo system.

Claim 7 (previously presented): The speaker apparatus according to one of claims 2 to 6, wherein the diaphragm extends over an entire surface of a desired speaker array and is provided with

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the transducers whose number is the same as that of the signal control points of the desired speaker array.

Claim 8 (original): The speaker apparatus according to one of claims 3 to 6, wherein the diaphragm extends over an entire surface of a desired speaker array, and the sound images are localized in positions of the signal control points of the desired speaker array.

Claim 9 (original): The speaker apparatus according to one of claims 3 to 6, wherein the transducers are arranged in a peripheral portion of the diaphragm.

Claim 10 (original): The speaker apparatus according to claim 9, wherein the diaphragm is formed of a transparent material.

Claim 11 (original): The speaker apparatus according to claim 10, wherein the diaphragm is attached to a front surface of a display of a monitor.

Claim 12 (original): The speaker apparatus according to claim 11, wherein the transparent material has function as a display filter for reducing a reflection of external light and blocking electromagnetic waves.

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Claim 13 (previously presented): The speaker apparatus according to one of claims 2 to 6 that is integrated with a keyboard.

Claim 14 (previously presented): A speaker apparatus comprising:
a transducer for converting an input electric signal into mechanical vibration; and
a single flat-panel diaphragm for converting the mechanical vibration into a sound signal,
wherein said single flat-panel diaphragm is provided with a plurality of the transducers, and
the single flat-panel diaphragm is provided with a plurality of independent signal control points
corresponding to the respective transducers, and

wherein a sound signal processing portion that is able to individually control the input electric signal to the respective transducers is installed, and an electric signal including a sound signal component for outputting a signal at the signal control point corresponding to the respective transducers and a sound interference canceling signal component for canceling an interference with the transducers serving as the other signal control points is provided, thereby making it possible to stereophonically reproduce a plurality of channels by the single diaphragm.